

INTERNATIONAL SEARCH REPORT

International application No.
PCT/BR 2004/000006

A. CLASSIFICATION OF SUBJECT MATTER IPC ⁷ : F42B 12/34, F42B 33/00, F42B 12/24, F42B 12/74 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC ⁷ : F42B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPODOC		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 811 723 A (STONE) 22 September 1998 (22.09.1998) <i>column 2ff; figure 1C.</i> --	1-4
Y	US 5 943 749 A (SWANK) 31 August 1999 (31.08.1999) <i>column 5ff, claim 20, figures 5-10.</i> --	1-4
Y	US 1 095 501 A (HOAGLAND) 5 May 1914 (05.05.1914) <i>lines 47ff; figure 4</i> ----	1-4
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search 5 October 2004 (05.10.2004)		Date of mailing of the international search report 14 October 2004 (14.10.2004)
Name and mailing address of the ISA/ AT Austrian Patent Office Dresdner Straße 87, A-1200 Vienna Facsimile No. +43 / 1 / 534 24 / 535		Authorized officer PFAHLER A. Telephone No. +43 / 1 / 534 24 / 412

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Information on patent family members

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Patent document cited in search report			Publication date	Patent family member(s)	Publication date
US	A	1095501	0000-00-00	none	
US	A	5811723	1998-09-22	none	
US	A	5943749	1999-08-31	none	